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JUL 05 2007

First Named Inventor: HADDAD, LOUIS C.

Case No.: 59343US003

Application No.: 10/810738

Title: MATERIALS, METHODS, AND KITS FOR REDUCING
NONSPECIFIC BINDING OF MOLECULES TO A SURFACE

Enclosures:

Information Disclosure Statement, Form PTO-1449, and
cited references.

Amount charged to Deposit Account: \$0

Attorney (initials): RWS/jlb

Date: 9-9-04

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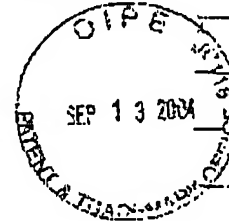
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Date: 9-9-04



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DUE DATE(S) RWS
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Case No.: 59343US003

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JUL 05 2007

First Named Inventor: HADDAD, LOUIS C.
Application No.: 10/810738 Group Art Unit: 1642
Filed: March 26, 2004 Examiner: Unknown
Title: MATERIALS, METHODS, AND KITS FOR REDUCING NONSPECIFIC
BINDING OF MOLECULES TO A SURFACE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:	
Date <u>Sept 9, 2004</u>	Signed by: <u>Jody L. Bronson</u>
	Signed by: Jody L. Bronson

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Application No.: 10/810738

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If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

Respectfully submitted,

Date

9/9/04

By:

Christopher D. Gram

Christopher D. Gram, Reg. No.: 43,643

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Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

JUL 05 2007

Substitute for form 1449A/PTO (revised) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 1 of 11	Application Number	10/810,738
	Filing Date	March 26, 2004
	First Named Inventor	Haddad, Louis C.
	Art Unit	1642
	Examiner Name	
	Attorney Case Number	59343US003

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	A2	US- RE 36,811	08-08-2000	Markell et al.	
	A3	US- 4,153,661	05-08-1979	Ree et al.	
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*Examiner:

Date Considered:

Substitute for form 1449A/PTO (revised) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 2 of 11	Application Number	10/810,738
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	Art Unit	1642
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		Doc. Number-(Kind Code If Known)			
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	A30	US- 5,147,539	09-15-1992	Hagen et al.	
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*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in

Substitute for form 1449A/PTO (multisheet) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 3 of 11	Application Number	10/810,738
	Filing Date	March 26, 2004
	First Named Inventor	Haddad, Louis C.
	Art Unit	1642
	Examiner Name	
	Attorney Case Number	59343US003

U.S. Patent Documents					
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		Doc. Number-(Kind Code If Known)			
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*Examiner:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in PAGE 40/48 * RCVD AT 7/5/2007 11:26:38 AM [Eastern Daylight Time] * SVR:USPTO-EFXXRF-3/15 * DNIS:2738300 * CSID:6123051228 * DURATION (mm:ss):15-00	

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 4 of 11	Application Number	10/810,738
	Filing Date	March 26, 2004
	First Named Inventor	Haddad, Louis C.
	Art Unit	1642
	Examiner Name	
	Attorney Case Number	59343US003

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		Doc. Number-(Kind Code if Known)			
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*Examiner:	Date Considered:
EXAMINED: I believe I have considered whether or not citation is in compliance with MPEP 609. Draw line through citation if not in compliance.	

Substitute for form 1449A/PTO (revised) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 5 of 11	Application Number	10/810,738
	Filing Date	March 26, 2004
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	Art Unit	1642
	Examiner Name	
	Attorney Case Number	59343US003

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		Doc. Number-(Kind Code if Known)			
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	A127	US- 2003/0018177 A1	01-23-2003	Haddad	
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	A137	US- 2004/0018116 A1	01-29-2004	Desmond et al.	
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Date Considered:

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 6 of 11	Application Number	10/810,738
	Filing Date	March 26, 2004
	First Named Inventor	Haddad, Louis C.
	Art Unit	1642
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Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
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	B9	EP	0 524 864 A1	01-27-1993	Bio Merieux		English Abstract
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	B13	JP	2-268-682	11-02-1990	Hitachi Ltd.		English Abstract
	B14	JP	2-295-485	12-06-1990	Nissho Corp.		English Abstract
	B15	JP	7-265718	10-17-1995	Mitsubishi Chem. Corp.		English Abstract
	B16	JP	9-302-034	11-25-1997	Komiyama Makoto		English Abstract
	B17	WIPO	90/10637 A1	09-20-1990	El DuPont De Nemours & Co.		
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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 7 of 11	Application Number	10/810,738
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	B20	WIPO	95/24505 A1	09-14-1995	Amersham Int'l PLC		
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Date Considered:

Substitute for form 1449A/PTO (m... ad) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 8 of 11	Application Number	10/810,738
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	Art Unit	1642
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	B42	WIPO	01/38865 A1	05-31-2001	The Governors of the Univ. of Alberta		
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	B52	WIPO	04/011681 A1	02-05-2004	Applera Corp.		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	3M Material Safety Data Sheet for FC-4430 FLUORAD™ Fluorosurfactant (9 pgs) (May 7, 2003).
	C2	3M Material Safety Data Sheet for 3M™ FLUORAD™ Fluorosurfactant FC-4432 (9 pgs) (May 21, 2003).
	C3	"ABI Prism® BigDye™ Terminators v3.0 Cycle Sequencing Kit," product information [online]. Applied Biosystems, 2000, 2001 [retrieved 2001-12-03]. Retrieved from the Internet: <URL:http://www.appliedbiosystems.com/products/productdetail.cfm?id=81>, pg. 1.
	C4	AL-SOUD et al.; "Purification and Characterization of PCR-Inhibitory Components in Blood Cells," <i>Journal of Clinical Microbiology</i> ; Vol. 39(2); pp. 485-493 (2001).
	C5	ALTSCHULER et al.; "Benchmarks: Plasmid DNA Isolation Utilizing a Novel Nonionic Detergent," <i>BioTechniques</i> ; Vol. 17(3); pp. 434, 436 (1994).
	C6	American Society of Testing Materials, "ASTM D 570-98. Standard Test Method for Water Absorption of Plastics," <i>Annual Book of ASTM Standards</i> , pgs. 31-33 and Title page (January 2001).

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Date Considered:

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 9 of 11	Application Number	10/810,738
	Filing Date	March 26, 2004
	First Named Inventor	Haddad, Louis C.
	Art Unit	1642
	Examiner Name	
	Attorney Case Number	59343US003

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	C7	AutoSeq98 Dye Terminator Clean-up Kit / Adapter Plate for AutoSeq96," product catalogue [online]. Amersham Biosciences, 2001 [retrieved 2001-12-03]. Retrieved from the Internet: <URL:http://www.apbiotech.com/stiboasp/showmodule.asp?nModuleId=164360>, pgs. 1-2.
	C8	BARTL et al.; "Simple and Broadly Applicable Preparation by Use of Magnetic Glass Particles," <i>Clin Chem Lab Med</i> , Vol. 36(8), pp. 557-559 (1998).
	C9	"BLAST," National Institutes of Health [online] United States, [retrieved 10/23/00]. Retrieved from the Internet:<URL:http://www.ncbi.nlm.nih.gov/BLAST>, 2 pgs.
	C10	BISCHOFF et al.; "Isolation of Specific tRNAs Using an Ionic-Hydrophobic Mixed-Mode Chromatographic Matrix," <i>Analytical Biochemistry</i> , Vol. 151; pp. 526-533 (1985).
	C11	QIAamp® DSP DNA Blood Mini Kit Handbook, 28 pages (January 2004).
	C12	BOOM et al., "Rapid and Simple Method for Purification of Nucleic Acids," <i>Journal of Clinical Microbiology</i> , 1990, March; Vol. 28, No. 3; pgs. 495-503, Publication page, and Title page.
	C13	BREADMORE et al.; "Microchip-Based Purification of DNA from Biological Samples," <i>Analytical Chemistry</i> , Vol. 75(8); pp. 1880-1886 (2003).
	C14	BREZINSKI; "Laying the foundation for New Technologies 3M Creates a new building block for its fluorosurfactants," <i>Paintings and Coatings Industry</i> , (January 2003).
	C15	BUFFONE et al.; "Isolation of DNA from Biological Specimens without Extraction with Phenol," <i>Clinical Chemistry</i> , Vol. 31(1), pp.164-165 (1985).
	C16	BURCKHARDT; "Amplification of DNA From Whole Blood," PCR Methods and Applications, Cold Spring Harbor Laboratory Press, Vol. 3, No. 4., pp. 239-243 (February 1994).
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	C18	FRAKER et al., <i>Biochem. Biophys. Res. Commun.</i> , Vol. 80, pp. 849-857 (1978).
	C19	HUBER et al.; "High-performance liquid chromatographic separation of detritylated oligonucleotides on highly cross-linked poly-(styrene-divinylbenzene) particles," <i>Journal of Chromatography</i> , Vol. 599; pp. 113-118 (1992).
	C20	JEFFREYS, et al., "DNA 'Fingerprints' and Segregation Analysis of Multiple Markers in Human Pedigrees," <i>American Journal of Human Genetics</i> , Vol. 39, pp 11-24 (1986).
	C21	KOGAN et al.; "An Improved Method for Prenatal Diagnosis of Genetic Diseases by Analysis of Amplified DNA Sequences, Application to Hemophilia A," <i>New England Journal of Medicine</i> , Vol. 317, pp. 985-990 (1987).
	C22	KROSCWITZ et al., (Eds.); <i>Kirk-Othmer Encyclopedia of Chemical Technology</i> , 4 th Ed.; John Wiley and Sons; NY; Vol. 23; pp. 506-523 (1997).
	C23	NIELSEN et al.; "Peptide nucleic acid (PNA), a DNA mimic with a pseudopeptide backbone," <i>Chemical Society Review</i> , Vol. 26; pp. 73-78 (1997).

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	C24	TIAN et al.; "Evaluation of Silica Resins for Direct and Efficient Extraction of DNA from Complex Biological Matrices in a Miniaturized Format," <i>Analytical Biochemistry</i> , Vol. 283, pp. 175-191 (2000).
	C25	"Porex Corporate Profile," [online]. Porex Corporation, 2001 [retrieved 2001-12/05]. Retrieved from the Internet: <URL:http://www.porex.com/english/corporate/index.asp>, pgs. 1-3.
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	C27	Product Information Brochure, "DuPont™ Zonyl® Fluoroaditives for Coatings Technical Information," (4 pgs) (March, 2003).
	C28	Product Information Brochure "3M Novec™ Fluorosurfactants FC-4430 / 3M™ Fluorad™ Fluorosurfactants are now 3M™ Novec™ Fluorosurfactants," (4 pgs), (October, 2003).
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	C34	Tong, et al., "Solid-Phase Method for the Purification of DNA Sequencing Reactions," <i>Anal Chem</i> , 1992; Vol. 64, No. 22; pgs. 2672-2677, Publication page, and Title page.
	C35	Co-related U.S. Patent Application Serial No. 10/417,609 filed April 17, 2003 entitled "Methods and Devices for Removal of Organic Molecules from Biological Mixtures Using an Anion Exchange Material that Includes a Polyoxyalkylene" (3M Case No. 58301US002).
	C36	Co-related U.S. Patent Application Serial No. 60/532,404 filed December 24, 2003 entitled "Methods and Kits For Reducing Nonspecific Binding of Molecules to a Surface" (3M Case No. 59071US002).
	C37	Co-related U.S. Patent Application Serial No. 10/852,642 filed May 24, 2004 entitled "Variable Valve Apparatus and Methods" (3M Case No. 59071US003).
	C38	Co-related U.S. Provisional Application Serial No. 60/532,523 filed December 24, 2003 entitled "Methods for Nucleic Acid Isolation and Kits" (3M Case No. 59073US002).
	C39	Co-related U.S. Patent Application Serial No. 10/852,645 filed May 24, 2004 entitled "Methods for Nucleic Acid Isolation and Kits Using Solid Phase Material" (3M Case No. 59073US003).
	C40	Co-related U.S. Patent Application Serial No. 60/532,523 filed December 24, 2003 entitled "Methods and Kits for Reducing Nonspecific Binding of Molecules to a Surface" (3M Case No. 59343US002).

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	C41	Co-related U.S. Patent Application Serial No. 10/852,085 filed May 24, 2004 entitled "Methods for Nucleic Acid Isolation and Kits Using a Microfluidic Device and Concentration Step" (3M Case No. 59801US002).
	C42	Co-related U.S. Patent Application Serial No. 10/852,022 filed May 24, 2004 entitled "Methods for Nucleic Acid Isolation And Kits Using a Microfluidic Device and Sedimenting Agent" (3M Case No. 59802US002).

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